

TITLE XVI—STUDIES

SEC. 1601. STUDY ON INVENTORY OF PETROLEUM AND NATURAL GAS STORAGE.

(a) DEFINITION.—For purposes of this section “petroleum” means crude oil, motor gasoline, jet fuel, distillates, and propane.

(b) STUDY.—The Secretary of Energy shall conduct a study on petroleum and natural gas storage capacity and operational inventory levels, nationwide and by major geographical regions.

(c) CONTENTS.—The study shall address—

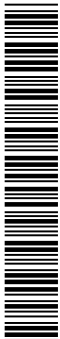
(1) historical normal ranges for petroleum and natural gas inventory levels;

(2) historical and projected storage capacity trends;

(3) estimated operation inventory levels below which outages, delivery slowdown, rationing, interruptions in service, or other indicators of shortage begin to appear;

(4) explanations for inventory levels dropping below normal ranges; and

(5) the ability of industry to meet United States demand for petroleum and natural gas with-



1 out shortages or price spikes, when inventory levels
2 are below normal ranges.

3 (d) REPORT TO CONGRESS.—Not later than 1 year
4 after the date of enactment of this Act, the Secretary of
5 Energy shall submit a report to Congress on the results
6 of the study, including findings and any recommendations
7 for preventing future supply shortages.

8 **SEC. 1605. STUDY OF ENERGY EFFICIENCY STANDARDS.**

9 The Secretary of Energy shall contract with the Na-
10 tional Academy of Sciences for a study, to be completed
11 within 1 year after the date of enactment of this Act, to
12 examine whether the goals of energy efficiency standards
13 are best served by measurement of energy consumed, and
14 efficiency improvements, at the actual site of energy con-
15 sumption, or through the full fuel cycle, beginning at the
16 source of energy production. The Secretary shall submit
17 the report to Congress.

18 **SEC. 1606. TELECOMMUTING STUDY.**

19 (a) STUDY REQUIRED.—The Secretary, in consulta-
20 tion with the Commission, the Director of the Office of
21 Personnel Management, the Administrator of General
22 Services, and the Administrator of NTIA, shall conduct
23 a study of the energy conservation implications of the
24 widespread adoption of telecommuting by Federal employ-
25 ees in the United States.



1 (b) REQUIRED SUBJECTS OF STUDY.—The study re-
2 quired by subsection (a) shall analyze the following sub-
3 jects in relation to the energy saving potential of telecom-
4 muting by Federal employees:

5 (1) Reductions of energy use and energy costs
6 in commuting and regular office heating, cooling,
7 and other operations.

8 (2) Other energy reductions accomplished by
9 telecommuting.

10 (3) Existing regulatory barriers that hamper
11 telecommuting, including barriers to broadband tele-
12 communications services deployment.

13 (4) Collateral benefits to the environment, fam-
14 ily life, and other values.

15 (c) REPORT REQUIRED.—The Secretary shall submit
16 to the President and Congress a report on the study re-
17 quired by this section not later than 6 months after the
18 date of enactment of this Act. Such report shall include
19 a description of the results of the analysis of each of the
20 subject described in subsection (b).

21 (d) DEFINITIONS.—As used in this section:

22 (1) SECRETARY.—The term “Secretary” means
23 the Secretary of Energy.

24 (2) COMMISSION.—The term “Commission”
25 means the Federal Communications Commission.



1 (3) NTIA.—The term “NTIA” means the Na-
2 tional Telecommunications and Information Admin-
3 istration of the Department of Commerce.

4 (4) TELECOMMUTING.—The term “telecom-
5 muting” means the performance of work functions
6 using communications technologies, thereby elimi-
7 nating or substantially reducing the need to com-
8 mute to and from traditional worksites.

9 (5) FEDERAL EMPLOYEE.—The term “Federal
10 employee” has the meaning provided the term “em-
11 ployee” by section 2105 of title 5, United States
12 Code.

13 **SEC. 1607. LIHEAP REPORT.**

14 Not later than 1 year after the date of enactment
15 of this Act, the Secretary of Health and Human Services
16 shall transmit to Congress a report on how the Low-In-
17 come Home Energy Assistance Program could be used
18 more effectively to prevent loss of life from extreme tem-
19 peratures. In preparing such report, the Secretary shall
20 consult with appropriate officials in all 50 States and the
21 District of Columbia.

22 **SEC. 1608. OIL BYPASS FILTRATION TECHNOLOGY.**

23 The Secretary of Energy and the Administrator of
24 the Environmental Protection Agency shall—



1 (1) conduct a joint study of the benefits of oil
2 bypass filtration technology in reducing demand for
3 oil and protecting the environment;

4 (2) examine the feasibility of using oil bypass
5 filtration technology in Federal motor vehicle fleets;
6 and

7 (3) include in such study, prior to any deter-
8 mination of the feasibility of using oil bypass filtra-
9 tion technology, the evaluation of products and var-
10 ious manufacturers.

11 **SEC. 1609. TOTAL INTEGRATED THERMAL SYSTEMS.**

12 The Secretary of Energy shall—

13 (1) conduct a study of the benefits of total inte-
14 grated thermal systems in reducing demand for oil
15 and protecting the environment; and

16 (2) examine the feasibility of using total inte-
17 grated thermal systems in Department of Defense
18 and other Federal motor vehicle fleets.

19 **SEC. 1610. UNIVERSITY COLLABORATION.**

20 Not later than 2 years after the date of enactment
21 of this Act, the Secretary of Energy shall transmit to Con-
22 gress a report that examines the feasibility of promoting
23 collaborations between large institutions of higher edu-
24 cation and small institutions of higher education through
25 grants, contracts, and cooperative agreements made by the



1 Secretary for energy projects. The Secretary shall also
2 consider providing incentives for the inclusion of small in-
3 stitutions of higher education, including minority-serving
4 institutions, in energy research grants, contracts, and co-
5 operative agreements.

6 **SEC. 1611. RELIABILITY AND CONSUMER PROTECTION AS-**
7 **SESSMENT.**

8 Not later than 5 years after the date of enactment
9 of this Act, and each 5 years thereafter, the Federal En-
10 ergy Regulatory Commission shall assess the effects of the
11 exemption of electric cooperatives and government-owned
12 utilities from Commission regulation under section 201(f)
13 of the Federal Power Act. The assessment shall include
14 any effects on—

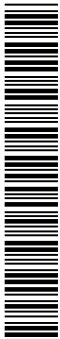
15 (1) reliability of interstate electric transmission
16 networks;

17 (2) benefit to consumers, and efficiency, of
18 competitive wholesale electricity markets;

19 (3) just and reasonable rates for electricity con-
20 sumers; and

21 (4) the ability of the Commission to protect
22 electricity consumers.

23 If the Commission finds that the 201(f) exemption results
24 in adverse effects on consumers or electric reliability, the
25 Commission shall make appropriate recommendations to



1 Congress pursuant to section 311 of the Federal Power
2 Act.

